

5210

ENTERED<sup>PCT10</sup>

## RAW SEQUENCE LISTING

DATE: 03/11/2002

PATENT APPLICATION: US/10/069,544

TIME: 11:06:51

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\03112002\J069544.raw

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4 <110> APPLICANT: Joelle Thonnard
6 <120> TITLE OF INVENTION: Novel Compounds
9 <130> FILE REFERENCE: BM45398
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/069,544
C--> 11 <141> CURRENT FILING DATE: 2002-02-25
11 <150> PRIOR APPLICATION NUMBER: 99180040.8
12 <151> PRIOR FILING DATE: 1999-07-30
14 <160> NUMBER OF SEQ ID NOS: 8
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 615
20 <212> TYPE: DNA
21 <213> ORGANISM: Moraxella catarrhalis
23 <400> SEQUENCE: 1
24 atgaaaatcc gagtaaagtg gcctatggta atggcgatgg ggctgggttt aagtgcctgt      60
25 caaagtacac caataccgcc taaaaataat ccgcaattgg cacaaatccg aacccaaatt      120
26 gcaatctcgc tactggacat gggtaagctt gatcaagcca aacagcagtt ggatgctgct      180
27 ttatcggtcg atcggcagtt tgcacctgcc tatcgcacct tggcaaaggt ttatcaagct      240
28 tcggaggatg cactcacca aaccaaagct caacgcttgt ttgaaaaggc gattgaacta      300
29 aatcctaaag atatgcaaag ttatatggat tatggatttt atttggtgca gatgggggac      360
30 ttgtcagggt cgttgattta ttttgataaa cctagccgag ccatcggtta tgaagggcgt      420
31 gtggtagcca tcgaaaatat ggcataatatt tattatcatc aatatgaagc tgccaaatca      480
32 ccaacaaaag atgactataa taacgccaaa tcagcacttg agcgtgctgt aatttcaggc      540
33 actcaacatg atgaaatcaa aaagtcttat gacaaattat taagtgatta taaattatta      600
34 agtgattata aatag                                     615
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 204
38 <212> TYPE: PRT
39 <213> ORGANISM: Moraxella catarrhalis
41 <400> SEQUENCE: 2
42 Met Lys Ile Arg Val Lys Trp Pro Met Val Met Ala Met Gly Leu Val
43 1           5           10           15
44 Leu Ser Ala Cys Gln Ser Thr Pro Ile Pro Pro Lys Asn Asn Pro Gln
45           20           25           30
46 Leu Ala Gln Ile Arg Thr Gln Ile Ala Ile Ser Leu Leu Asp Met Gly
47           35           40           45
48 Lys Leu Asp Gln Ala Lys Gln Gln Leu Asp Ala Ala Leu Ser Ala Asp
49           50           55           60
50 Arg Gln Phe Ala Pro Ala Tyr Arg Thr Leu Ala Lys Val Tyr Gln Ala
51 65           70           75           80
52 Ser Glu Asp Ala Thr His Gln Thr Lys Ala Gln Arg Leu Phe Glu Lys
53           85           90           95
54 Ala Ile Glu Leu Asn Pro Lys Asp Met Gln Ser Tyr Met Asp Tyr Gly

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55          100          105          110
56 Phe Tyr Leu Val Gln Met Gly Asp Leu Ser Gly Ala Leu Ile Tyr Phe
57          115          120          125
58 Asp Lys Pro Ser Arg Ala Ile Gly Tyr Glu Gly Arg Val Val Ala Ile
59          130          135          140
60 Glu Asn Met Ala Tyr Ile Tyr Tyr His Gln Tyr Glu Ala Ala Lys Ser
61 145          150          155          160
62 Pro Thr Lys Asp Asp Tyr Asn Asn Ala Lys Ser Ala Leu Glu Arg Ala
63          165          170          175
64 Leu Ile Ser Gly Thr Gln His Asp Glu Ile Lys Lys Ser Tyr Asp Lys
65          180          185          190
66 Leu Leu Ser Asp Tyr Lys Leu Leu Ser Asp Tyr Lys
67          195          200
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 612
71 <212> TYPE: DNA
72 <213> ORGANISM: Moraxella catarrhalis
74 <400> SEQUENCE: 3
75 atgaaaatcc gagtaaagtg gcctatggta atggcgatgg ggctgggtttt aagtgcctgt      60
76 caaagtacac caataccgcc taaaaataat cgcgaattgg cacaaatccg aacccaaatt      120
77 gcaatctcgc tactggacat gggtaaagctt gatcaagcca aacagcagtt ggatgctgct      180
78 ttatcggctg atcggcagtt tgcacctgcc tatcgcacct tggcaaaggt ttatcaagct      240
79 tcggaggatg ccactcacca aaccaaagct caacgcttgt ttgaaaaggc gattgaacta      300
80 aatcctaaag atatgcaaag ttatatggat tatggatttt atttggtgca gatgggggac      360
81 ttgtcagggt cggtgattta ttttgataaa cctagccgag ccacggtta tgaagggcgt      420
82 gtggtagcca tcgaaaatat ggcatatatt tattatcatc aatatgaagc tgccaaatca      480
83 ccaacaaaag atgactataa taacgccaaa tcagcacttg agcgtgcggt aatttcaggc      540
84 actcaacatg atgaaatcaa aaagtcttat gacaaattat taagtgatta taaattatta      600
85 agtgattata aa                                         612
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 204
89 <212> TYPE: PRT
90 <213> ORGANISM: Moraxella catarrhalis
92 <400> SEQUENCE: 4
93 Met Lys Ile Arg Val Lys Trp Pro Met Val Met Ala Met Gly Leu Val
94 1          5          10          15
95 Leu Ser Ala Cys Gln Ser Thr Pro Ile Pro Pro Lys Asn Asn Pro Gln
96          20          25          30
97 Leu Ala Gln Ile Arg Thr Gln Ile Ala Ile Ser Leu Leu Asp Met Gly
98          35          40          45
99 Lys Leu Asp Gln Ala Lys Gln Gln Leu Asp Ala Ala Leu Ser Ala Asp
100          50          55          60
101 Arg Gln Phe Ala Pro Ala Tyr Arg Thr Leu Ala Lys Val Tyr Gln Ala
102 65          70          75          80
103 Ser Glu Asp Ala Thr His Gln Thr Lys Ala Gln Arg Leu Phe Glu Lys
104          85          90          95
105 Ala Ile Glu Leu Asn Pro Lys Asp Met Gln Ser Tyr Met Asp Tyr Gly
106          100          105          110
107 Phe Tyr Leu Val Gln Met Gly Asp Leu Ser Gly Ala Leu Ile Tyr Phe

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```

108          115          120          125
109 Asp Lys Pro Ser Arg Ala Ile Gly Tyr Glu Gly Arg Val Val Ala Ile
110          130          135          140
111 Glu Asn Met Ala Tyr Ile Tyr Tyr His Gln Tyr Glu Ala Ala Lys Ser
112 145          150          155          160
113 Pro Thr Lys Asp Asp Tyr Asn Asn Ala Lys Ser Ala Leu Glu Arg Ala
114          165          170          175
115 Leu Ile Ser Gly Thr Gln His Asp Glu Ile Lys Lys Ser Tyr Asp Lys
116          180          185          190
117 Leu Leu Ser Asp Tyr Lys Leu Leu Ser Asp Tyr Lys
118          195          200
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 21
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 5
129 tgacaattaa tcatcggtc g                                21
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 22
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: primer
139 <400> SEQUENCE: 6
140 ggctgaaaat cttctctcat cc                                22
142 <210> SEQ ID NO: 7
143 <211> LENGTH: 38
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: primer
150 <400> SEQUENCE: 7
151 aggcagaggg aattcatgaa aatccgagta aagtggcc            38
153 <210> SEQ ID NO: 8
154 <211> LENGTH: 60
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: primer
161 <400> SEQUENCE: 8
162 aggcagaggg tcgacttaat ggtgatggtg atggtgttta taatcactta ataatttata 60

```

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date